

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX001	9/14/2011	Email from M. Dittoe to T. Judy, M. Lenzo, and C. Hawley, subject FW: Media Gaggle 9/14	LWVOH_00001745-49
PX002	12/15/2011	Email from H. Mann to P. Halle, RE: RE:	SOS_000425-26
PX003	11/3/2011	Email from H. Mann to H. Pelger, subject FW: New Congressional Districts	SOS_000071-78
PX004	7/23/2016	C. Bensen Curriculum Vitae (Dkt. 59-2)	Bensen Depo Ex. 1
PX005	2010	Presentation, "Election Data for Redistricting"	LENZO_0004434-40
PX006	10/4/2011	Invoice for POLIDATA LLC	Bensen_0000013
PX007	2/16/2012	Invoice for POLIDATA LLC	Bensen_0000014-15
PX008	6/1/2011	Email from M. Braden to C. Bensen, subject FW:	BRADEN000657-58
PX009	8/10/2011	Email from C. Bensen to H. Mann, M. Lenzo, and M. Thomas, subject RE:	JUDY_0001692-96
PX010	8/11/2011	Email from C. Bensen to H. Mann, M. Braden, subject Re: (Case 34304) Export equivalency file (6143525819)	BRADEN000782
PX011	8/15/2011	Email from H. Mann to C. Bensen, T. Horgan, Maptitude Technical Support, subject FW: TEST of Congressional districts as DBF	Bensen_0000033-38
PX012	9/16/2011	Email from H. Mann to C. Bensen, (no subject)	Bensen_0000044
PX013	7/10/2011	Email from C. Bensen to R. DiRossi, H. Mann, et al., subject Ohio Apportionment and Redistricting political data	Bensen Depo Ex. 10
PX014	7/22/2011	Example of Calculations for Election Averages EA11 to EA16	Bensen_0000004-06
PX015	7/22/2011	[Metadata] Example of Calculations for Election Averages EA11 to EA16	Bensen_0000004 Metadata
PX016	10/4/2018	Screenshot of Polidata folder	BLESSING0013211 > Polidata_2018.10.04
PX017	10/4/2018	Screenshot of Polidata > Clark 07-24-11 folder	BLESSING0013211 > Polidata > Clark 07-24-11_2018.10.04
PX018	7/24/2011	Maptitude screenshot, Map1 - 2010 Final Census Blocks (Ohio)	BLESSING0013211 [Polidata > Clark 07-24-11 > ccBlock.cdf]

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX019	9/14/2011	Chart, District/Pop	BENSEN_0000084 [sep14 > dvw_aggset_ohcd_2011_enacted-sep14_ohmix_kl15a.xls]
PX020		Example of Calculations for Election Averages EA11 to EA16	Bensen_0000001-03
PX021	7/24/2011	Maptitude screenshot, Map1 - 2010 Final Counties (Ohio)	BLESSING0013211 [Polidata > Clark 07-24-11 > ccCounty.cdf]
PX022	9/14/2011	Email from H. Mann to C. Bensen, (no subject)	Bensen_0000042
PX023	9/2/2011	Email from A. Kincaid to R. DiRossi, H. Mann, and T. Whatman, subject New Idea Redraft	LWVOH_00018302-08
PX024	10/26/2011	Email from H. Mann to C. Bensen, subject FW: Ohio Congressional District Shapefile	Bensen_0000047-48
PX025	11/9/2011	Email from H. Mann to C. Bensen, subject test of indexes	Bensen_0000063-64
PX026		Chart, District Indexes	BLESSING0012553
PX027		Chart, District Indexes	BLESSING0013212
PX028	12/14/2011	Chart, District Indexes	BENSEN_0000086 [dec14 > dvw_aggset_ohcd_2011_revised-hb369-dec14.xls]
PX029	12/15/2011	Measures of Compactness	BENSEN_0000086 [mtr_compactness_ohcd_2011_revised-hb369-dec14]
PX030	12/15/2011	Email from H. Mann to C. Bensen, subject RE:	Bensen_0000075-76
PX031		Maptitude screenshot, HB 369 as passed Test 2	BENSEN_0000086 [Congressional Shape Files Test 2_HB369 as Passed Test 2.shp]
PX032	7/15/2011	Email from M. Braden to M. Salling, H. Mann, C. Bensen, et al., subject RE: conference call	BRADEN000683-84
PX033	12/15/2011	Email from H. Mann to C. Bensen, (no subject)	Bensen_0000077
PX034	12/15/2011	Email from H. Mann to C. Bensen, (no subject)	Bensen_0000078

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX035	8/29/2011	Email from H. Mann to B. Hansen, subject Out of Office: Weekly Redistricting Meeting	GOV_000219
PX036	8/3/2011	Consulting Agreement between Republican Members of the Legislative Task Force and Policy Widgets, LLC	LWVOH_00018268-70
PX037	7/5/2011	Email from V. Flasher to R. DiRossi and J. Licursi, subject Re: Time sensitive issue for OHROC/RSCC - Apportionment data	Blessing Depo Ex. 5
PX038	7/5/2011	Email from J. Licursi to V. Flasher, R. DiRossi, et al., subject Re: Time sensitive issue for OHROC/RSCC - Apportionment data	Blessing Depo Ex. 6
PX039	7/10/2011	Email from C. Bensen to R. DiRossi, H. Mann, et al., subject RE: Ohio Apportionment and Redistricting political data	Blessing Depo Ex. 7
PX040		Final political index used	DIROSSI_0000014-16
PX041		Chart, District Indexes	BLESSING0012553
PX042		Chart, District Indexes	BLESSING0013212
PX043		Screenshot of documents in BLESSING0012635 folder	BLESSING0012635
PX044	10/28/2009	Subcontract between Cleveland State University and Ohio University	LENZO_0002358-73
PX045		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio)	BLESSING0012635 [HB 369 Map Revised December 14th]_001
PX046		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio) (dataview District 16)	BLESSING0012635 [HB 369 Map Revised December 14th]_CD16_001-24
PX047		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio) (dataview District 1)	BLESSING0012635 [HB 369 Map Revised December 14th]_CD01_001-06
PX048		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio) (dataview District 2)	BLESSING0012635 [HB 369 Map Revised December 14th]_CD02_001-06

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PX049		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio) (dataview District 3)	BLESSING0012635 [HB 369 Map Revised December 14th]_CD03_001-06
PX050		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio) (dataview District 4)	BLESSING0012635 [HB 369 Map Revised December 14th]_CD04_001-06
PX051		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio) (dataview District 5)	BLESSING0012635 [HB 369 Map Revised December 14th]_CD05_001-06
PX052		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio) (dataview District 6)	BLESSING0012635 [HB 369 Map Revised December 14th]_CD06_001-06
PX053		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio) (dataview District 7)	BLESSING0012635 [HB 369 Map Revised December 14th]_CD07_001-06
PX054		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio) (dataview District 8)	BLESSING0012635 [HB 369 Map Revised December 14th]_CD08_001-06
PX055		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio) (dataview District 9)	BLESSING0012635 [HB 369 Map Revised December 14th]_CD09_001-06
PX056		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio) (dataview District 10)	BLESSING0012635 [HB 369 Map Revised December 14th]_CD10_001-06
PX057		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio) (dataview District 11)	BLESSING0012635 [HB 369 Map Revised December 14th]_CD11_001-06
PX058		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio) (dataview District 12)	BLESSING0012635 [HB 369 Map Revised December 14th]_CD12_001-06

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PX059		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio) (dataview District 13)	BLESSING0012635 [HB 369 Map Revised December 14th]_CD13_001-06
PX060		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio) (dataview District 14)	BLESSING0012635 [HB 369 Map Revised December 14th]_CD14_001-06
PX061		Maptitude screenshot, HB 369 Map Revised December 14th.map - 2010 Final Census Blocks (Ohio) (dataview District 15)	BLESSING0012635 [HB 369 Map Revised December 14th]_CD15_001-06
PX062		Screenshot of documents in Polidata > Clark 07-24-11 folder	BLESSING0013211 > Polidata > Clark 07-24-11
PX063		Maptitude screenshot, Map 1 - 2010 Final Census Blocks (dataview Block 4015)	BLESSING0013211 [Polidata > Clark 07-24-11 > ccBlock.cdf]_001-06
PX064		Ohio House Republican Caucus, William G. Batchelder, Speaker - Map Talking Points	SOS_000073-78
PX065	5/12/2011	Discussion Points for Mark Braden Meetings	LWVOH_00008711
PX066	6/2/2011	Proposed Agenda for Mark Branden Visit	LWVOH_00008710
PX067		Script & Agenda for Thursday, June 2 Meetings	LWVOH_00008708-09
PX068	7/5/2011	Email from K. Rench to B. Hansen and H. Mann, subject RE: redistricting meetings	HANSEN_000104-05
PX069	7/1/2011	Email from H. Mann to R. DiRossi, M. Lenzo, et al., subject Weekly Reidistricting Meetings	GOV_000223
PX070	6/1/2011	Memorandum from H. Mann to W. Batchelder, et al., subject Proposed schedule for Congressional redistricting hearings	SENATE000001-28
PX071	7/15/2011	Wyndham Cleveland at Playhouse Square, Group Rooming List	LWVOH_00005432
PX072	9/14/2011	Email from H. Mann to J. Renacci, subject Numbers	LWVOH_00018321
PX073		Turner-Austria Option Talking Points	LWVOH_00008616

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX074	11/2/2009	Memorandum from Mark Salling to Ohio Legislative Task on Redistricting Reapportionment and Demographic Research and the Ohio Legislative Services Commission, subject Status of Development of 2011 Redistricting Database	BRADEN_000084
PX075	6/6/2011	Memorandum from Mark Salling to Ohio Legislative Task on Redistricting Reapportionment and Demographic Research and the Ohio Legislative Services Commission, subject Status of Development of 2011 Redistricting Database	BRADEN000713-14
PX076	9/2/2011	Email from A. Kincaid to R. DiRossi, H. Mann, T. Whatman, subject New Idea Redraft	LWVOH_00018302-08
PX077	3/31/2011	Chart, Ohio Changes	BRADEN001387
PX078		Chart, Ohio Changes	OHCF0001438
PX079		Chart, Ohio Changes	OHCF0001481
PX080	11/1/2011	Email from H. Mann to R. DiRossi, M. Lenzo and T. Judy, subject I2:0901-0130-map0.pdf	LWVOH_00018250
PX081		Chart/Map - District/Member	LWVOH_00018251, BRADEN000754
PX082		Chart, CD 9 Ideas	BRADEN000753
PX083	11/3/2011	Email from R. DiRossi to M. Braden, subject Re: Updated Fact Sheet	BRADEN000758-60
PX084	11/2/2011	Email from R. DiRossi to M. Braden, subject Congressional Index comparison	BRADEN000757
PX085	9/21/2011	Email from S. Chabot to S. Towns, subject Re: Update...	CHABOT_000006
PX086		Cho CV	Cho Depo Ex. 1
PX087	10/18/2018	Cho Initial Expert Report	Cho Depo Ex. 2
PX088	11/26/2018	Cho Rebuttal Report	Cho Depo Ex. 3
PX089	10/18/2018	Cho source code [confidential under protective order]	Cho Depo Ex. 4 [Confidential under protective order]
PX090	10/5/2018	Cooper Declaration, Initial Report	Cooper Depo Ex. 1
PX091	11/30/2018	Cooper Declaration Errata and Exhibits	Cooper Depo Ex. 6

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX092	11/26/2018	Cooper Supplemental Declaration and Exhibits	Cooper Depo Ex. 8
PX093	11/27/2018	Cooper Second Supplemental Declaration	Cooper Depo Ex. 9
PX094	10/5/2018	Subpoena to Testify (Ray DiRossi)	DiRossi Depo Ex. 1
PX095	6/15/2018	Subpoena to Produce Documents (Ray DiRossi)	DiRossi Depo Ex. 2
PX096	10/7/2011	Ohio Campaign for Accountable Redistricting, Letter from J. Slagle to R. DiRossi and H. Mann, subject Transparency Report; Public Records Request	LWVOH_00004033-34
PX097	5/12/2011	Discussion Points for Mark Braden Meetings	LWVOH_00008711
PX098	5/31/2011	R. DiRossi meeting notice REDISTRICTING: SOFTWARE DEMO - MAPTITUDE	DIROSSI_0000017
PX099	6/16/2011	R. DiRossi meeting notice CONFIRMED: LEGISLATIVE TASK FORCE ON REDISTRICTING	DIROSSI_0000018
PX100	7/5/2011	R. DiRossi meeting notice CONFIRMED: President Niehaus call with Congressman LaTourette	DIROSSI_0000019
PX101	7/1/2011	Email from R. DiRossi to H. Mann, subject Re: HOLD for redistricting software training	LWVOH_00010555
PX102	8/1/2011	Consulting Agreement between Republican Members of the Legislative Task Force and Capital Advantage, LLC	LWVOH_00005475-77
PX103	8/4/2011	Termination Agreement	DIROSSI_0000527
PX104	7/7/2011	R. DiRossi meeting notice, subject 2:45 p.m. CONFIRMED: REDISTRICTING TRAINING	DIROSSI_0000020
PX105	7/8/2011	R. DiRossi meeting notice, subject CONFIRMED: REDISTRICTING TRAINING	DIROSSI_0000021
PX106	7/7/2011	Redistricting Meetings Agenda	LWVOH_00008706-07
PX107	5/1/2010	Slide from presentation, "Drawing the Lines"	DiRossi Depo Ex. 14
PX108	8/30/2011	R. DiRossi meeting notice, subject CONFIRMED: Meet with Tom Whatman - DC	DIROSSI_0000038
PX109	7/12/2011	Double Tree Guest Suites Invoice	LWVOH_00018254
PX110	9/15/2011	R. DiRossi meeting notice, subject CONFIRMED: Meet with Niehaus at Bunker	DIROSSI_0000051
PX111	8/4/2011	Email from R. DiRossi to C. Morefield and H. Mann, subject Re: Plotter	DiRossi Depo Ex. 18

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PX112	11/15/2011	2011 Political Indexes	DIROSSI_0000139-41
PX113	11/15/2011	Chart, The State Indexes	DIROSSI_0000526
PX114		Congressional map drawing contest - winning maps	DIROSSI_0000470-72
PX115		Chart, HB319 Indexes	DIROSSI_0000010
PX116		Chart, HB319 Indexes	DIROSSI_0000142
PX117	9/26/2011	Bill Signings: HB 218 & HB 319	GOVPR_008278-80
PX118	9/2/2011	R. DiRossi meeting notice, subject CONFIRMED: Meet with Leadership on Redistricting Bill	DIROSSI_0000039
PX119	9/2/2011	Email from A. Kincaid to R. DiRossi, H. Mann, T. Whatman, subject New Idea Redraft	LWVOH_00018302-08
PX120	9/5/2011	R. DiRossi meeting notice, subject CONFIRMED: Meet with Speaker and others re: Redistricting	DIROSSI_0000040
PX121	9/6/2011	R. DiRossi meeting notice, subject CONFIRMED: Meet with President Niehaus re: Apportionment and Redistricting	DIROSSI_0000043
PX122	9/8/2011	R. DiRossi meeting notice, subject CONFIRMED: Senate Leadership Meeting	DIROSSI_0000044
PX123	9/9/2011	R. DiRossi meeting notice, subject CONFIRMED: Senate Leadership Meeting	DIROSSI_0000045
PX124	9/10/2011	Email from R. DiRossi to K. Faber, subject (no subject)	LWVOH_00018310
PX125	9/11/2011	Email from T. Niehaus to R. DiRossi, subject Redistricting "tweaks"	LWVOH_00018297
PX126	9/12/2011	Emails from R. DiRossi to T. Niehaus, subject Proposed map for LSC	LWVOH_00018298-301
PX127	9/12/2011	Email from R. DiRossi to T. Whatman, subject Stivers maps	LWVOH_00018320
PX128	9/12/2011	Email from R. DiRossi to A. Kincaid, subject Ohio final map with possible Stivers addition	LWVOH_00018322-25
PX129	9/12/2011	R. DiRossi meeting notice, subject CONFIRMED: Meeting at bunker about rollout	DIROSSI_0000046
PX130	9/14/2011	Email from H. Mann to R. DiRossi, subject Numbers	LWVOH_00018321
PX131	12/15/2011	Email from R. DiRossi to H. Pelger, subject Re: RE:	SOS_001010-11

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PX132	11/2/2011	R. DiRossi meeting notice, subject CONFIRMED: Brief Leadership on Congressional Maps	DIROSSI_0000061
PX133		Political Indexes - Proposed Congressional Districts	DIROSSI_0000499
PX134	11/2/2011	Chart, The State Indexes	DIROSSI_0000525
PX135	11/10/2011	Chart, Plan Comparison	DIROSSI_0000518
PX136	7/14/2011	Email from J. McClelland to L. Obhof, subject Niehaus Names Members to Senate Select Committee on Redistricting	SENATE000035-36
PX137	7/15/2011	Email from E. Bittner to L. Obhof, subject FW: Senate Select Committee on Redistricting	SENATE000037-38
PX138	9/21/2011	Transcript, Ohio State Senate Session	Faber Depo Ex. 19
PX139	12/14/2011	Transcript, Ohio State Senate Session	Faber Depo Ex. 21
PX140	8/10/2011	2010 Ohio Common and Unified Redistricting Database, Technical Documentation Version 3, prepared for The Legislative Services Committee of the Ohio General Assembly by Dr. Mark Salling	CTRL0000012068
PX141	11/2/2011	Email from K. McCarthy to C, Glassburn and A. Budish, subject Re: counter - Draft Presentation, attaching presentation, "Redistricting Discussion"	SMC-KM-000263, SMC-KM-000409-13
PX142		Major Map Files from 2010-2011	CTRL0000011317
PX143		Metadata and list of files produced in Memorex USB\Offers folder in Glassburn Production	Glassburn Depo Ex. 15
PX144		Maptitude screenshot, 319 original.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 1)	GLASSBURN_0020 [319 Original_CD01]
PX145		Maptitude screenshot, OFFICIAL 369 ADOPTED FINAL.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 16)	GLASSBURN_0051 [OFFICIAL HB 369 ADOPTED FINAL_CD16]_01-03
PX146		Maptitude screenshot, OFFICIAL 369 ADOPTED FINAL.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 1)	GLASSBURN_0036 [OFFICIAL HB 369 ADOPTED FINAL_CD01]_01-03

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PX147		Maptitude screenshot, OFFICIAL 369 ADOPTED FINAL.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 2)	GLASSBURN_0037 [OFFICIAL HB 369 ADOPTED FINAL_CD02]_01-03
PX148		Maptitude screenshot, OFFICIAL 369 ADOPTED FINAL.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 3)	GLASSBURN_0038 [OFFICIAL HB 369 ADOPTED FINAL_CD03]_01-03
PX149		Maptitude screenshot, OFFICIAL 369 ADOPTED FINAL.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 4)	GLASSBURN_0039 [OFFICIAL HB 369 ADOPTED FINAL_CD04]_01-03
PX150		Maptitude screenshot, OFFICIAL 369 ADOPTED FINAL.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 5)	GLASSBURN_0040 [OFFICIAL HB 369 ADOPTED FINAL_CD05]_01-03
PX151		Maptitude screenshot, OFFICIAL 369 ADOPTED FINAL.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 6)	GLASSBURN_0041 [OFFICIAL HB 369 ADOPTED FINAL_CD06]_01-03
PX152		Maptitude screenshot, OFFICIAL 369 ADOPTED FINAL.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 7)	GLASSBURN_0042 [OFFICIAL HB 369 ADOPTED FINAL_CD07]_01-03
PX153		Maptitude screenshot, OFFICIAL 369 ADOPTED FINAL.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 8)	GLASSBURN_0043 [OFFICIAL HB 369 ADOPTED FINAL_CD08]_01-03
PX154		Maptitude screenshot, OFFICIAL 369 ADOPTED FINAL.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 9)	GLASSBURN_0044 [OFFICIAL HB 369 ADOPTED FINAL_CD09]_01-03
PX155		Maptitude screenshot, OFFICIAL 369 ADOPTED FINAL.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 10)	GLASSBURN_0045 [OFFICIAL HB 369 ADOPTED FINAL_CD10]_01-03
PX156		Maptitude screenshot, OFFICIAL 369 ADOPTED FINAL.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 11)	GLASSBURN_0046 [OFFICIAL HB 369 ADOPTED FINAL_CD11]_01-03

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PX157		Maptitude screenshot, OFFICIAL 369 ADOPTED FINAL.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 12)	GLASSBURN_0047 [OFFICIAL HB 369 ADOPTED FINAL_CD12]_01-03
PX158		Maptitude screenshot, OFFICIAL 369 ADOPTED FINAL.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 13)	GLASSBURN_0048 [OFFICIAL HB 369 ADOPTED FINAL_CD13]_01-03
PX159		Maptitude screenshot, OFFICIAL 369 ADOPTED FINAL.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 14)	GLASSBURN_0049 [OFFICIAL HB 369 ADOPTED FINAL_CD14]_01-03
PX160		Maptitude screenshot, OFFICIAL 369 ADOPTED FINAL.map - Block Split - Block - Block Group - Tract - BOE County (dataview District 15)	GLASSBURN_0050 [OFFICIAL HB 369 ADOPTED FINAL_CD15]_01-03
PX161	2010-2011	11-4	Identified in Glassburn Depo Ex. 14
PX162	2010-2011	11-4-11	Identified in Glassburn Depo Ex. 14
PX163	2010-2011	11-08-11 Mod	Identified in Glassburn Depo Ex. 14
PX164	2010-2011	11-08-11 retry	Identified in Glassburn Depo Ex. 14
PX165	2010-2011	11-8-11 R Mod	Identified in Glassburn Depo Ex. 14
PX166	2010-2011	319	Identified in Glassburn Depo Ex. 14
PX167	2010-2011	319 Original	Identified in Glassburn Depo Ex. 14
PX168	2010-2011	369 dec 14	Identified in Glassburn Depo Ex. 14
PX169	2010-2011	CongDraft	Identified in Glassburn Depo Ex. 14
PX170	2010-2011	CongressDraft	Identified in Glassburn Depo Ex. 14

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PX171	2010-2011	My Ohio Congressional Draft	Identified in Glassburn Depo Ex. 14
PX172	2010-2011	My Ohio Congressional	Identified in Glassburn Depo Ex. 14
PX173	2010-2011	Dem Congress 2 (Dem Congress Proposal10182011)	Identified in Glassburn Depo Ex. 14
PX174	2010-2011	Dem Congress 3 (Dem Congress Proposal10182011)	Identified in Glassburn Depo Ex. 14
PX175	2010-2011	Dem Congress 4 (Dem Congress Proposal10182011)	Identified in Glassburn Depo Ex. 14
PX176	2010-2011	Dem Congress 5 (Dem Congress Proposal10182011)	Identified in Glassburn Depo Ex. 14
PX177	2010-2011	Dem Congress Nov (Dem Congress Proposal10182011)	Identified in Glassburn Depo Ex. 14
PX178	2010-2011	Dem Congress 1 (Dem Congress Proposal10182011)	Identified in Glassburn Depo Ex. 14
PX179	2010-2011	DemCounterDATA_NOV1_2011	Identified in Glassburn Depo Ex. 14
PX180	2010-2011	DemCounterDATA_NOV1_2011_HUFF	Identified in Glassburn Depo Ex. 14
PX181	2010-2011	Congress646	Identified in Glassburn Depo Ex. 14
PX182	2010-2011	Counter 2	Identified in Glassburn Depo Ex. 14
PX183	2010-2011	Huffman R Cong	Identified in Glassburn Depo Ex. 14
PX184	2010-2011	Huffman Sykes	Identified in Glassburn Depo Ex. 14
PX185	2010-2011	Huffsykes	Identified in Glassburn Depo Ex. 14
PX186	2010-2011	New District 16	Identified in Glassburn Depo Ex. 14

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PX187	2010-2011	Balanced Plan	Identified in Glassburn Depo Ex. 14
PX188	2010-2011	Balanced Plan 1	Identified in Glassburn Depo Ex. 14
PX189	2010-2011	DemBalanced	Identified in Glassburn Depo Ex. 14
PX190	2010-2011	Nov 1 Counter	Identified in Glassburn Depo Ex. 14
PX191	2010-2011	Nov 4 2011	Identified in Glassburn Depo Ex. 14
PX192	2010-2011	Nov 18	Identified in Glassburn Depo Ex. 14
PX193	2010-2011	11-5	Identified in Glassburn Depo Ex. 14
PX194	2010-2011	11-6	Identified in Glassburn Depo Ex. 14
PX195	2010-2011	Nov 18 D	Identified in Glassburn Depo Ex. 14
PX196	2010-2011	Nov 2	Identified in Glassburn Depo Ex. 14
PX197	2010-2011	Nov 3	Identified in Glassburn Depo Ex. 14
PX198	2010-2011	Nov 8	Identified in Glassburn Depo Ex. 14
PX199	2010-2011	OH_CD_Current	Identified in Glassburn Depo Ex. 14
PX200	2010-2011	OH_CD_Empty	Identified in Glassburn Depo Ex. 14
PX201	2010-2011	OH_CD_Political_EastToEast	Identified in Glassburn Depo Ex. 14
PX202	2010-2011	OH_CD_Political_Empty	Identified in Glassburn Depo Ex. 14

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PX203	2010-2011	OH_CD_Political_Training110805	Identified in Glassburn Depo Ex. 14
PX204	2010-2011	OH_CD_Political_VRA2CD11	Identified in Glassburn Depo Ex. 14
PX205	2010-2011	OH_CD_Training110805	Identified in Glassburn Depo Ex. 14
PX206	2010-2011	R First Offer	Identified in Glassburn Depo Ex. 14
PX207	2010-2011	RandallCongressa	Identified in Glassburn Depo Ex. 14
PX208	2010-2011	Rep Congress Final	Identified in Glassburn Depo Ex. 14
PX209	2010-2011	Rep Congress Final2	Identified in Glassburn Depo Ex. 14
PX210	2010-2011	Rep Congress Final3	Identified in Glassburn Depo Ex. 14
PX211	2010-2011	Republican Congress	Identified in Glassburn Depo Ex. 14
PX212	2010-2011	Republican Offer_Nov1_2011	Identified in Glassburn Depo Ex. 14
PX213	2010-2011	Republican New	Identified in Glassburn Depo Ex. 14
PX214	2010-2011	Republican New1	Identified in Glassburn Depo Ex. 14
PX215	2010-2011	RepublicanNewDATA	Identified in Glassburn Depo Ex. 14
PX216	2010-2011	RepublicanNewDATA_NOV_1_2011	Identified in Glassburn Depo Ex. 14
PX217	2010-2011	RepublicanNewDATA_NOV1	Identified in Glassburn Depo Ex. 14
PX218	2010-2011	RepublicanNewDATA_NOV1_2011	Identified in Glassburn Depo Ex. 14

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX219	2010-2011	CONGRESSIONAL PLAN EQUIVALENCY FILE	Identified in Glassburn Depo Ex. 14
PX220	2010-2011	OFICIAL 369 ADOPTED FINAL	Identified in Glassburn Depo Ex. 14
PX221	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers	Identified in Glassburn Depo Ex. 15
PX222	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Democratic Response	Identified in Glassburn Depo Ex. 15
PX223	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Democratic Response\Democratic Responses	Identified in Glassburn Depo Ex. 15
PX224	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Democratic Response\Democratic Responses\Nov 18 Files (DEM)	Identified in Glassburn Depo Ex. 15
PX225	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Democratic Response\Democratic Responses\Nov 2 Files	Identified in Glassburn Depo Ex. 15
PX226	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Democratic Response\Democratic Responses\Nov 5 Files	Identified in Glassburn Depo Ex. 15
PX227	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Democratic Response\Democratic Responses\Nov 6 Files	Identified in Glassburn Depo Ex. 15
PX228	11/29/2018	Directory of Y: \OPRI\20181129_Glassburn ,production\Files\Memorex USB\Offers\Democratic Response\Nov 18	Identified in Glassburn Depo Ex. 15

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX229	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Democratic Response\Nov 18\NOV 18	Identified in Glassburn Depo Ex. 15
PX230	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Democratic Response\Nov 18\Nov 18 D Backups	Identified in Glassburn Depo Ex. 15
PX231	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Democratic Response\Nov 2	Identified in Glassburn Depo Ex. 15
PX232	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Democratic Response\Nov 2\NOV1_2011REVISION (sent nov2)	Identified in Glassburn Depo Ex. 15
PX233	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Democratic Response\Nov 2\NOV1 2011REVISION (sent nov2)\Nov 2 D Backups	Identified in Glassburn Depo Ex. 15
PX234	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Democratic Response\Nov 5	Identified in Glassburn Depo Ex. 15
PX235	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\MemorexUSB\Offers\Democratic Response\Nov 5\11-5	Identified in Glassburn Depo Ex. 15
PX236	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Democratic Response\Nov 5\Nov 5 Backups	Identified in Glassburn Depo Ex. 15
PX237	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Democratic Response\Nov 6	Identified in Glassburn Depo Ex. 15

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX238	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Democratic Response\Nov 6\11-6	Identified in Glassburn Depo Ex. 15
PX239	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Democratic Response\Nov 6\Nov 6 Backups	Identified in Glassburn Depo Ex. 15
PX240	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Republican Plans	Identified in Glassburn Depo Ex. 15
PX241	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Republican Plans\Nov 18	Identified in Glassburn Depo Ex. 15
PX242	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Republican Plans\Nov 18\Nov 18 Backups	Identified in Glassburn Depo Ex. 15
PX243	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Republican Plans\Nov 18\Nov Modified (minus Renacci)	Identified in Glassburn Depo Ex. 15
PX244	11/29/2018	Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Republican Plans\Nov 3	Identified in Glassburn Depo Ex. 15
PX245		Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Republican Plans\Nov 3\Nov 3 Backups	Identified in Glassburn Depo Ex. 15
PX246		Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Republican Plans\Nov 3\NOV MODIFIED	Identified in Glassburn Depo Ex. 15
PX247		Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Republican Plans\Nov 8	Identified in Glassburn Depo Ex. 15

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX248		Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Republican Plans\Nov 8\2011-11-08 REVISIONS TO MAP	Identified in Glassburn Depo Ex. 15
PX249		Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Republican Plans\Nov 8\Nov 8 Backups	Identified in Glassburn Depo Ex. 15
PX250		Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Republican Plans\Republican Plans	Identified in Glassburn Depo Ex. 15
PX251		Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Republican Plans\Republican Plans\Nov 18 Files	Identified in Glassburn Depo Ex. 15
PX252		Directory of Y:\OPRI\20181129_Glassburn Production\Files\Memorex USB\Offers\Republican Plans\Republican Plans\Nov 3 Files	Identified in Glassburn Depo Ex. 15
PX253		Directory of Y:\OPRI\20181129_Glassburn Production\Files\MemorexUSB\Offers\Republican Plans\Republican Plans\Nov 8 Files	Identified in Glassburn Depo Ex. 15
PX254	10/5/2018	Handley Initial Expert Report	Handley Depo Ex. 1
PX255	7/15/2018	Email from B. Hansen to C. Sulecki, subject FWD: did you attend	HANSEN_000130-31
PX256	12/17/2018	"Trying to Thread the Needle: The Effects of Redistricting in a Georgia Congressional District" by Hood and McKee	Hood Depo Ex. 9
PX257	12/17/2018	Political Subdivision Split Between Districts Data	Hood Depo Ex. 10
PX258	12/17/2018	"Unwelcome Constituents: Redistricting and Countervailing Partisan Tides" by Hood and McKee	Hood Depo Ex. 11
PX259	12/17/2018	"Partisan Classification of Ohio's Congressional Districts, 2012" Indexes	Hood Depo Ex. 12

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX260	12/17/2018	"Partisan Classification of Ohio's Congressional Districts, 2012" With Races	Hood Depo Ex. 13
PX261	12/17/2018	Ohio House Republican Caucus "How the Problem Started"	MCGREGOR000002-07
PX262	12/17/2018	"Partisan Classification of Ohio's Congressional Districts, 2012" with Unified Index	Hood Depo Ex. 15
PX263	12/17/2018	"Races Used in Hood Ohio Partisan Distribution Figures"	Hood Depo Ex. 16
PX264	12/17/2018	"2014 Statewide Races" in Hood Figure 7	Hood Depo Ex. 17
PX265	12/17/2018	2002 Races by County	Hood Depo Ex. 18
PX266	11/12/2018	rdcy_OH_2002_2010_2x.DBF	Previously Disclosed (Hood)
PX267	11/12/2018	rdst_OH_2002_2010_2x.DBF	Previously Disclosed (Hood)
PX268	11/12/2018	VTD 2004-2010.xls	Previously Disclosed (Hood)
PX269	11/12/2018	VTD 2012-2016.xls	Previously Disclosed (Hood)
PX270	7/15/2011	Email from A. Meden to GOP_All and Dem_All, subject House Subcommittee on Redistricting Regional Hearings Announcement	HOUSE000336-37
PX271	9/15/2011	Transcript, Ohio House Session	Huffman Depo Ex. 7
PX272	9/8/2011	Email from A. Meden to Undisclosed recipients, subject State Government & Elections Committee Notice	GOV_000026-27
PX273	9/13/2011	Announcement of Committee Meeting	Huffman Depo Ex. 10
PX274	9/13/2011	Announcement of Committee Meeting	Huffman Depo Ex. 11
PX275	9/21/2011	Transcript, Ohio State House Session	Huffman Depo Ex. 13
PX276	11/3/2011	Transcript of Video Recorded Session, Ohio House of Representatives	Huffman Depo Ex. 17
PX277	12/14/2011	Rules and Reference Committee Minutes	Huffman Depo Ex. 18
PX278		H.B. 369, Rep. Matt Huffman, Sponsor Testimony	Huffman Depo Ex. 19
PX279	4/8/2010	RSLC Announces Leadership Additions, Jankowski and Fehrer to Further Strengthen RSLC Team	RSLC00001614-15
PX280	6/15/2010	Email from C. Jankowski to T. Reynolds and E. Gillespie, subject REDMAP Political Report Draft	RSLC00002806
PX281	6/1/2010	REDMAP Political Report: June 2010	RSLC00002807-24
PX282	7/1/2010	REDMAP Political Report: July 2010	RSLC00001934-36

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX283	9/1/2010	REDMAP Political Report: September 2010	RSLC00001982-89
PX284	9/21/2010	REDMAP September Political Report, Breakfast Briefing, Washington, DC	RSLC00002020
PX285		Redistricting Majority Project REDMAP: A program of the Republican State Leadership Committee	RSLC00000373-89
PX286		Draft Memorandum from C. Jankowski, subject RSLC Redistricting	RSLC00001596
PX287		Draft Letter from JCJ Email Text	RSLC00002030
PX288		Letter from C. Jankowski to Legislative Leaders	Jankowski Depo Ex. 13
PX289	3/30/2011	Appointment Record, subject Meeting with Tom Hofeller, Dale Oldham & Mike Wild, Organizer: Scott Ward	RSLC00002515
PX290	2012	Spreadsheet, 2012 Cycle Redistricting Budget	RSLC00002528
PX291	2/29/2012	Letter from C. Jankowski to T. Hofeller re termination of agreement between SGLF and Geographic Strategies LLC	SGLF00000102
PX292	1/27/2012	SGLF Request for Payment with Invoice attached	SGLF00000088-91
PX293	1/3/2013	Memorandum from C. Jankowski to Interested Parties, subject REDMAP Impact on Today's House GOP Majority	RSLC00002581-2585
PX294		Mailer from Congressman Bill Johnson, Ohio Leadership Briefing	JOHNSON_000065
PX295	11/16/2010	Email from M. Weaver to B. Johnson, subject Redistricting	JOHNSON_000008-9
PX296	4/25/2011	Email from M. Smullen to B. Johnson, P. Hashem, M. Weaver, M. Van Blargan, and D. Locke, subject redistricting / fundraising talking point	JOHNSON_000108
PX297	8/1/2011	Memorandum from Communications Counsel, Inc., M. Weaver and M. Dole, to the Johnson For Congress Team, subject Political budget 2012	CC0118-22
PX298	7/14/2011	Email from M. Smullen to B. Johnson, subject Redistricting	JOHNSON_000055
PX299	7/18/2011	Email from M. Weaver to B. Johnson, subject Tom Niehaus	JOHNSON_000040

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX300	2012	NRCC Presentation, "Redistricting, Strengthening the Majority in 2012"	NRCC000031
PX301		Excel spreadsheet from Douglas Johnson	D. Johnson Depo Ex. 16
PX302	8/18/2011	Email from J. McNulty to J. Jordan, R. Yonkura, subject 8/18 AUGLAIZE FR BRIEFING	JORDAN_000001-04
PX303	8/15/2011	Email from J. McNulty to J. Jordan, subject 8/15 MORROW BRIEFING	JORDAN_000005-06
PX304	7/28/2011	Email from M. Smullen to B. Johnson, M. Weaver and P. Hashem, subject Dispatch article	JOHNSON_000036-37
PX305	7/15/2018	Email from B. Hansen to C. Sulecki, subject Fwd: did you attend	HANSEN_000130-31
PX306	8/1/2011	Consulting Agreement between Republican Members of the Legislative Task Force and Capital Advantage, LLC	LWVOH_00005475-77
PX307	8/3/2011	Consulting Agreement between Republican Members of the Legislative Task Force and Policy Widgets, LLC	LWVOH_00005478-80
PX308	7/11/2011	Email from H. Mann to T. Judy, R. DiRossi, et al., subject Congressional Redistricting Regional Hearing Schedule	GOV_000202-04
PX309	7/20/2011	Congressional redistricting timeline	LWVOH_00018247
PX310	2012	NRCC Presentation, "Path to Victory and National Mood"	NRCC000031
PX311	5/19/2011	Chart, District 12 Indices	TIBERI_000039
PX312	5/19/2011	[Metadata] Chart, District 12 Indices	TIBERI_000039 Metadata
PX313	3/31/2011	Chart, Ohio Changes	NRCC000012
PX314	3/31/2011	[Metadata] Chart, Ohio Changes	NRCC000012 Metadata
PX315	9/2/2011	Email from A. Kincaid to R. DiRossi, H. Mann, T. Whatman, subject New Idea Redraft	LWVOH_00018302-07
PX316	3/31/2011	Chart, Ohio Changes	BRADEN001387
PX317	3/31/2011	[Metadata] Chart, Ohio Changes	BRADEN001387 Metadata
PX318	3/31/2011	Screenshot of Excel Formula for Average from Chart, Ohio Changes	BRADEN001387 Excel Formula for Average
PX319	11/19/2018	Ohio Map, District 9	BRADEN001388
PX320	11/19/2018	[Metadata] Ohio Map, District 9	BRADEN001388 Metadata
PX321		Ohio Map, District 11	BRADEN001389

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PX322		[Metadata] Ohio Map, District 11	BRADEN001389 Metadata
PX323		Ohio Map, Hamilton County	BRADEN001390
PX324		[Metadata] Ohio Map, Hamilton County	BRADEN001390 Metadata
PX325		Ohio Map, Northeast	BRADEN001391
PX326		[Metadata] Ohio Map, Northeast	BRADEN001391 Metadata
PX327		Ohio Map	BRADEN001392
PX328		[Metadata] Ohio Map	BRADEN001392 Metadata
PX329		Chart, District Indices	LWVOH_00018333
PX330		Chart, Ohio Changes	LWVOH_00018480
PX331	3/31/2011	Chart, Ohio Changes	LWVOH_00018481
PX332	9/12/2011	Email from R. DiRossi to A. Kincaid, subject Ohio final map with possible Stivers addition	LWVOH_00018322-25
PX333	3/31/2011	Chart, Ohio Changes	NRCC000013
PX334	3/31/2011	[Metadata] Chart, Ohio Changes	NRCC000013 Metadata
PX335	10/3/2011	Chart, HB319 Indexes	DIROSSI_0000010
PX336		Maptitude screenshot, 10-27-11 Adam New Map.map - 2010 Final Census Blocks (Ohio)	BLESSING0012635 [10-27-11 Adam New Map]_001
PX337	11/2/2011	Chart, The State Indexes	DIROSSI_0000525
PX338	11/5/2011	Chart, HB369/HB319	BLESSING_0013212
PX339	10/19/2011	Chart, HB319	NRCC000014
PX340	10/19/2011	Chart, HB319 Excel Formula for Average	NRCC000014 Excel Formula for Average
PX341	11/2/2011	Chart, HB319 Indexes	DIROSSI_0000142
PX342		Subpoena to Produce Documents (Michael Lenzo)	Lenzo Depo Ex. 1
PX343	7/29/2011	Email from M. Lenzo to M.Hardenbrook, J. Barron, H. Mann and M. Grodhaus, subject Apportionment Board Records Officer	LWVOH_00013776
PX344	10/7/2011	Letter from J. Slagle to R.DiRossi and H. Mann re Transparency Report; Public Records Request	L WVOH_00004033-34
PX345	11/21/2011	Letter from M. Lenzo to J. Slagle	LWVOH_00018262-63
PX346		Presentation, "Drawing the Lines"	LENZO_0002549-80
PX347	1/12/2011	Letter from T. Hofeller to Colleague	LENZO_0004023

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX348	5/12/2010	PowerPoint Presentation, GOP Redistricting Conference, Section 5 of the Federal Voting Rights Act, Presentation by Marguerite Mary Leoni	LENZO_0004575-81
PX349	2011	2011 RNC Redistricting Legal and Technical Reference Materials	LENZO_0004024-26
PX350		Twelve Points of Redistricting Awareness	LENZO_0004396-400
PX351	9/28/2010	Presentation, "What I've Learned About Redistricting - The Hard Way!"	LENZO_0004553-65
PX352	9/1/2011	Email from H. Mann to R. DiRossi , M. Lenzo, and T. Judy, subject FW: I2-0901-0130-map0.pdf	LWVOH_00018250
PX353		map Bates stamped LWVOH_00018251	LWVOH_00018251
PX354		Compromise Proposal to Draw Fair Congressional Districts	SMC-KM-000363-372
PX355	11/3/2011	Email from S. Bender to K. McCarthy, subject RE: final release	SMC-KM-000138-40
PX356	11/30/2011	Email from K. McCarthy to M. Szollosi, subject Talking Points for Blade	SMC-KM-000270-72
PX357	12/22/2011	Email from R. Routt to G. Boas and A. Hoyt, subject HB 369/HB319 Statistical comparison	SMC-AH-000368
PX358		Chart, HB319 and HB369 Comparison	SMC-AH-000369
PX359	12/12/2011	Ohio Redistricting Transparency Report, The Elephant In the Room	LWVOH_00018400-21
PX360		Presentation, "Ohio Redistricting Competition"	LWVOH_0074117-32
PX361		Ohio's Gerrymandering Problem: Why Haven't We Fixed this Yet?	LWVOH_0109308-27
PX362	5/4/2017	Proposal from J. Morgan to K. Barlow to provide the City of Placentia with map drawing services for redistricting new council districts, and J. Morgan Curriculum Vitae	Morgan Depo Ex. 2
PX363	7/7/2011	Redistricting Meetings Agenda	LWVOH_00008706-07
PX364	7/31/2011	Invoice for Applied Research Coordinates Ltd	MORGAN_000002
PX365	8/31/2011	Invoice for Applied Research Coordinates Ltd	MORGAN_000018
PX366	9/29/2011	Invoice for Applied Research Coordinates Ltd	MORGAN_000019

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX367	8/17/2018	Screenshot of Morgan document production folder	Morgan Document Production_August 17, 2018
PX368	8/17/2018	Screenshot of Morgan document production ccBlock_oh_r07 folder	Morgan Document Production_File Types_ccBlock_oh_r07
PX369	8/17/2018	Maptitude screenshot, Map1 - 2010 Final Census Blocks (Ohio)	MORGAN>August 17, 2018>ccBlock_oh_r07_ccBlock.cdf _1-8
PX370		Presentation, "Drawing the lines"	LENZO_0002549-80
PX371	12/4/2011	Email from Jenna Mann to Bob Latta, subject 12.14.11- Proposed Congressional Map	LATTA_000002
PX372	6/26/2011	Email exchange between Jim Renacci and Tom Whatman, subject Ohio	RENACCI_000138
PX373	12/3/2011	Email from Jim Renacci to James Slepian and Katelyn Barlage, subject I have an idea	RENACCI_000057
PX374	3/17/2011	Email exchange between Jim Renacci and James Slepian, no subject	RENACCI_0000079
PX375	7/8/2011	Email exchange between Thomas Queen and Jim Renacci, subject Obhof	RENACCI_000137
PX376	11/13/2011	Email exchange between James Slepian and Jim Renacci, subject Google Alert - jim renacci	RENACCI_000131
PX377	3/4/2011	Email exchange between Jim Renacci, James Slepian and Katelyn Barlage, no subject	RENACCI_000051-53
PX378	8/11/2011	Email from Mike Turner to Peggy Lehner and Ryan Dwyer, subject Montgomery Co TPs, enclosing Montgomery County Redistricting TPs	TURNER_000121-22
PX379	3/20/2011	Email exchange between Betsy Hawkings, Mike Turner, Adam Murka and Ryan Dwyer, subject redistricting meeting followup	TURNER_000314
PX380	9/9/2011	Email from Mike Turner to scl@mail.house.gov, subject Redistricting	TURNER_000172

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX381	2/9/2011	Email exchange between Betsy Hawkings, Nick Raines and Mike Turner, et al., subject Ohio Chiefs lunch today	TURNER_000319
PX382	4/29/2011	Email exchange between Betsy Hawkings and Mike Turner, subject Redistricting scuttlebutt	TURNER_000317
PX383	9/2/2011	Map file, "Four-Way Split 9-2-11.map"	BLESSING0013211 [Caliper > Maptitude for Redistricting 6.0 > Four-Way Split 9-2-11]
PX384	9/30/2010	Calendar entries for September 1, 2010 to September 30, 2010	BOEHNER_000001-23
PX385	9/13/2011	Email from Heather Mann to Michael Lenzo, subject Congressional Redistricting Talking Points, enclosing "Congressional Redistricting Talking Points"	LWVOH_0052437-40
PX386		Assignment letter from Mike DeWine and Michael Hall to Mark A. Johnson, Baker & Hostetler, LLP, enclosing retention agreement	
PX387	8/29/2018	Affidavit of Non-Party Thomas B. Whatman in support of his Assertion of First Amendment Privilege	
PX388	12/14/2011	Transcript, Ohio State House Session	
PX389		House Bill # Rep. Matt Huffman, Sponsor Testimony	SENATE000002
PX390	9/22/2010	RNC Presentation, "Redistricting 2010: Preparing for Success," State of Ohio Redistricting Meeting	REV_00023206 [Attorney's Eyes Only]
PX391		Email from Michael Lenzo to Tom Hofeller, subject Ohio Redistricting Meeting Attendees	REV_00023214 [Attorney's Eyes Only]
PX392	2010	NRCC Presentation to the Elected House Leadership December 2010 Retreat, "Strengthening the Majority in 2012"	REV_00000869 [Attorney's Eyes Only]
PX393	9/6/2011	Email from Mark Braden to Tom Hofeller, subject New Idea Redraft, enclosing maps, spreadsheet and .dbf file	REV_00023176-83 [Attorney's Eyes Only]
PX394	9/8/2011	Email exchange between Mark Braden and Tom Hofeller, subject New Idea III	REV_00023234 (Attorney's eyes only)
PX395	9/23/2010	Email exchange between Michael Lenzo, Tom Hofeller and Dale Oldham, subject Thanks	REV_00023246 (Attorney's Eyes Only)

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX396	9/29/2010	Email exchange between Tom Hofeller and Michael Lenzo, subject Ohio Political Boundary Database Update	REV_00023241 (Attorney's Eyes Only)
PX397	9/15/2011	Email exchange between Tom Hofeller and Adam Kincaid, subject Awesome	REV_00023497 (Attorney's Eyes Only)
PX398	12/14/2011	Email from Tom Hofeller to Matt Walter, Lindsay Fisher, Jennifer Cusato and Adam Temple, subject Ohio Update	REV_00023479 (Attorney's Eyes Only)
PX399	12/14/2011	Email exchange between Lindsay Fisher, Tom Hofeller, Adam Temple and Matt Walker, subject Redistricting in a Nutshell (Deadline)	REV_00025340 (Attorney's Eyes Only)
PX400	10/27/2011	Email from Tom Hofeller to celticheal@aol.com, subject Article	REV_00023317-18 (attorney's eyes only)
PX401	10/21/2011	Redistricting "Hot Spots"	REV_00023321 (Attorney's Eyes only)
PX402	10/31/2011	RNC Presentation, "Redistricting Update at Halftime, Chairman's Briefing"	REV_00023334 (attorney's eyes only)
PX403		Email exchange between Emily Cornell, Mike Wild, Tom Hofeller, Daniel Leydorf and Kayla Berube, subject OH	REV_00023516-17 (attorney's eyes only)
PX404		Email from Tom Hofeller to Chris Jankowski, Matt Walter and Lindsay Fisher, subject OH redistricting	REV_00023469 (attorney's eyes only)
PX405		"319" Map Files [Glassburn Volume I Production]	Glassburn Volume I Production
PX406		"OFICIAL 269 ADOPTED FINAL" Map Files [Glassburn Volume I Production]	Glassburn Volume I Production
PX407	9/9/2011	Email from T. Judy to H. Mann, Fwd: Talking Points	LWVOH_0052431-32
PX408	4/19/2012	New Ohio Map Data.xls	REV_00000016 [Attorney's Eyes Only]
PX409	12/15/2011	Email exchange between Heather Mann, Tom Whatman, Adam Kincaid, Tom Hofeller and Mike Wild, subject Equivalency & Shape Files	REV_00023341 [Attorney's Eyes Only]
PX410	9/16/2011	Email exchange between Clark Bensen, Tom Hofeller and Mike Wild, subject Emailing: OHCD_2011_GOP-PROPOSAL-SEP14-BAF.zip	REV_00023337 [Attorney's Eyes Only]

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX411	9/26/2011	Email exchange between Clark Bensen, Tom Hofeller, and Daniel Leydorf, subject Emailing: OHCD_2011_GOP-PROPOSAL-SEP14-BAF.zip	REV_00023339 [Attorney's Eyes Only]
PX412	4/25/2012	Scoreboard.xls	REV_00000004 [Attorney's Eyes Only]
PX413	4/19/2012	Ohio Changes.xls	REV_00000019 [Attorney's Eyes Only]
PX414	2/6/2012	State-by-State Redistricting Summary	REV_00000001 [Attorney's Eyes Only]
PX415	2018	LWVO Agenda for Action 2017-2019	LWVOH_0092777-840
PX416	2017	LWVO Agenda for Action 2016-2018	LWVOH_0089871-934
PX417	10/2/2018	Chart, LWVO Active Members for State	LWVOH_0058202
PX418	6/30/2018	Chart, LWVO Balance Sheet and Statement of Equity	LWVOH_0020447
PX419	7/19/2011	OCAR Press Release, "Redistricting Competition Begins Today"	LWVOH_0041957-58
PX420	2018	APRI Trumbull County Membership List	OAPRI_000000157
PX421	8/11/2011	Email from Mark Salling to John Barron, et al., subject June (and early July) 2011 Redistricting Database progress report, enclosing July-early August progress report	BRADEN000790-98
PX422	10/22/2011	Email exchange between Mark Salling and John Barron, et al., subject September 2011 Redistricting Database project progress report	SMC-RR-029494
PX423	7/15/2011	Email from Mark Salling to Heather Mann, Mark Braden, Clark Bensen, Mike Lenzo, and Ray DiRossi, subject conference call, attaching census_versus_boe_MCDPlace_population_MS.xls	BRADEN000737-39
PX424	8/8/2011	Email exchange between Mike Lenzo, Clark Bensen, Troy Judy, Ray DiRossi and Heather Mann, subject Redistricting database	JUDY_0001700-02

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX425	4/26/2018	Video, https://www.cityclub.org/forums/2018/04/26/ohio-ballot-beat-the-bipartisan-congressional-redistricting-reform-amendment-issue-1	MISCPLTS_0000001
PX426	12/28/2018	Cho Supplemental Expert Report	N/A
PX427	20/20/2018	Cho Errata	N/A
PX428	11/11/2016	A Massively Parallel Evolutionary Markov Chain Monte Carlo Algorithm for Sampling Complicated Multimodal State Spaces. Wendy Tam Cho & Yan Y. Liu. SC18: The International Conference for High Performance Computing, Networking, Storage and Analysis	N/A
PX429	9/15/2018	Sampling from Complicated and Unknown Distributions: Monte Carlo and Markov Chain Monte Carlo Methods for Redistricting. Wendy Tam Cho & Yan Y. Liu. Physica A 506:170–178.	N/A
PX430	2018	Cain, Bruce E., Wendy K. Tam Cho, Yan Y. Liu and Emily Zhang. 2018. "A Reasonable Bias Method for Redistricting: A New Tool for an Old Problem." William & Mary Law Review 59(5):1521-1557.	N/A
PX431	2017	Cho, Wendy K. Tam. 2017. "Measuring Partisan Fairness: How well does the Efficiency Gap Guard Against Sophisticated as well as Simple-Minded Modes of Partisan Discrimination?" University of Pennsylvania Law Review Online 166.	N/A
PX432	2018	Cho, Wendy K. Tam. 2018. "Algorithms Can Foster a More Democratic Society." Nature 558:487.	N/A
PX433	2001	Cho, Wendy K. Tam and Albert H. Yoon. 2001. "Strange Bedfellows: Politics, Courts, and Statistics: Statistical Expert Testimony in Voting Rights Cases." Cornell Journal of Law and Public Policy 10(2):237-264.	N/A

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX434	2005	Cho, Wendy K. Tam and Albert H. Yoon. 2005. "Panethnicity Revisited: Asian Indians, Asian American Politics, and the Voting Rights Act." <i>UCLA Asian Pacific American Law Journal</i> 10:8-30.	N/A
PX435	2015	Cho, Wendy K. Tam and Yan Y. Liu. 2015. A High-Performance Approach for Solution Space Traversal in Combinatorial Optimization. SC15: The International Conference for High Performance Computing, Networking, Storage and Analysis.	N/A
PX436	2016	Cho, Wendy K. Tam and Yan Y. Liu. 2016a. A Scalable Evolutionary Algorithm with Intensification and Diversification Protocols Designed for Statistical Models. SC16: The International Conference for High Performance Computing, Networking, Storage and Analysis.	N/A
PX437	12/1/2016	Cho, Wendy K. Tam and Yan Y. Liu. 2016b. "Toward a Talismanic Redistricting Tool: A Fully Balanced Computational Method for Identifying Extreme Redistricting Plans." <i>Election. Law Journal</i> 15(4):351-366	N/A
PX438	2017	Cho, Wendy K. Tam and Yan Y. Liu. 2017. Massively Parallel Evolutionary Computation for Empowering Electoral Reform: Quantifying Gerrymandering via Multi-objective Optimization and Statistical Analysis. SC17: The International Conference for High Performance Computing, Networking, Storage and Analysis.	N/A
PX439	2012	King, Douglas M., Sheldon H. Jacobson, Edward C. Sewell and Wendy K. Tam Cho. 2012. "GeoGraphs: An Efficient Model for Enforcing Contiguity and Hole Constraints in Planar Graph Partitioning." <i>Operations Research</i> 60(5):1213-1228.	N/A

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX440	2018	Liu, Yan Y. and Wendy K. Tam Cho. 2018. "Spatially Explicit Evolutionary Computation for Largescale Spatial Optimization." Technical Report.	N/A
PX441	7/28/2015	Liu, Yan Y., Wendy K. Tam Cho and Shaowen Wang. 2015. A Scalable Computational Approach to Political Redistricting Optimization. In Proceedings of the 2015 Annual Conference on Extreme Science and Engineering Discovery Environment. XSEDE15: Scientific Advancements Enabled by Enhanced Cyberinfrastructure St. Louis, MO: pp. 6:1--6:2.	N/A
PX442	4/4/2016	Liu, Yan Y., Wendy K. Tam Cho and Shaowen Wang. 2016. "PEAR: A Massively Parallel Evolutionary Computation Approach for Political Redistricting Optimization and Analysis." Swarm and Evolutionary Computation 30:78-92.	N/A
PX443	6/1/1973	Tufte, Edward R. 1973. "The Relationship between Seats and Votes in Two-Party Systems." American Political Science Review 67(2):540-554.	N/A
PX444	10/18/2018	oh_presc2	CHO_000001
PX445	10/18/2018	cg1216.csv	Previously Disclosed (Cho)
PX446	10/18/2018	com08.r	Previously Disclosed (Cho)
PX447	10/18/2018	plaintiffs.r	Previously Disclosed (Cho)
PX448	10/18/2018	run0.txt – run63.txt	Previously Disclosed (Cho)
PX449	11/26/2018	dat12.txt	CHO_000004
PX450	11/26/2018	rebuttal.r	CHO_000005
PX451	12/28/2018	com.r	Previously Disclosed (Cho)
PX452	12/28/2018	dat18.txt	Previously Disclosed (Cho)
PX453	12/28/2018	pdat.txt	Previously Disclosed (Cho)
PX454	10/5/2018	Cooper Initial Expert Report Appendix	N/A
PX455	9/28/2018	PROPOSED_REMEDIAL_PLAN.DBF	N/A
PX456	10/5/2018	Cooper Report Appendix.pdf	COOPER_000001-78
PX457	10/5/2018	OCURD_data(m.salling@csuohio.edu).zip	COOPER_000079

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX458	10/5/2018	OCURD_documentation(m.salling@csuohio.edu).zip	COOPER_000080
PX459	10/5/2018	OCURD_shapes(m.salling@csuohio.edu).zip	COOPER_000081
PX460	10/5/2018	OH.dbf	COOPER_000082
PX461	10/5/2018	OH.prj	COOPER_000083
PX462	10/5/2018	OH.shp	COOPER_000084
PX463	10/5/2018	OH.shx	COOPER_000085
PX464	10/5/2018	2010_VTDS_2012_2014_2016_election_data.xlsx	COOPER_000086
PX465	11/27/2018	2011_Incumbent_addresses_11_27.zip	COOPER_000087
PX466	11/27/2018	HYPO1A.dbf	COOPER_000088
PX467	11/27/2018	HYPO2A.dbf	COOPER_000089
PX468	11/30/2018	2018-11-30 Incumbent Addresses	Previously Disclosed (Cooper)
PX469	11/30/2018	Nov30.DBF	Previously Disclosed (Cooper)
PX470	12/28/2018	2018_DATA.DBF	Previously Disclosed (Cooper)
PX471	12/28/2018	New Incumbent address.xlsx	Previously Disclosed (Cooper)
PX472	10/5/2018	OH data.sav	NIVEN_000001
PX473	11/12/2018	Effgaps2.csv excel	Previously Disclosed (Trende)
PX474	10/5/2018	"USHouse_Data_updated.RData"	WARSHAW_000026
PX475	10/5/2018	"declination_data"	WARSHAW_000012
PX476	12/28/2018	Warshaw Supplemental Report ("An Evaluation of the Partisan Bias in Ohio's 2011 Congressional Plan and its Effects on Representation: Updated based on 2018 Elections")	Previously Disclosed (Warshaw)
PX477	8/14/2012	NRCC Presentation "Redistricting, Strengthening the Majority in 2012"	REV_00000003 [Attorney's Eyes Only]
PX478	9/15/2011	States Losing Congressional Seats	REV_00000015 [Attorney's Eyes Only]
PX479	4/19/2012	Spreadsheet "Ohio Congressional District Data"	REV_00000021 [Attorney's Eyes Only]
PX480	12/20/2011	Map of Franklin County	REV_00000040 [Attorney's Eyes Only]
PX481	7/26/2018	Map of Franklin County	REV_00000041 [Attorney's Eyes Only]

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX482	12/20/2011	Map of Ohio 1st District - Cincinnati	REV_00000042 [Attorney's Eyes Only]
PX483	7/26/2018	Map of Ohio 1st District - Cincinnati	REV_00000043 [Attorney's Eyes Only]
PX484	12/20/2011	Map of Ohio 1st District	REV_00000044 [Attorney's Eyes Only]
PX485	7/26/2018	Map of Ohio 1st District	REV_00000045 [Attorney's Eyes Only]
PX486	11/6/2011	NRCC Presentation, "National Mood, Strengthening the Majority in 2012"	REV_00000887 [Attorney's Eyes Only]
PX487	9/9/2011	E-mail exchange between Mark Braden and Tom Hofeller re: Ohio Congressional Map as of September 9th	REV_00023184 [Attorney's Eyes Only]
PX488	9/9/2011	9-9 Ohio Map - Lucas County.jpg	REV_00023185 [Attorney's Eyes Only]
PX489	9/9/2011	9-9 Ohio Map - Stark County.jpg	REV_00023186 [Attorney's Eyes Only]
PX490	9/9/2011	9-9 Ohio Map - Summit County.jpg	REV_00023187 [Attorney's Eyes Only]
PX491	9/9/2011	Spreadsheet "Ohio Changes - Congressional Map as of 9-9.xls"	REV_00023188 [Attorney's Eyes Only]
PX492	9/9/2011	Ohio Congressional Map as of 9-9	REV_00023189 [Attorney's Eyes Only]
PX493	9/9/2011	9-9 Ohio Map - Hamilton County.jpg	REV_00023190 [Attorney's Eyes Only]
PX494	9/9/2011	9-9 Ohio Map - Cuyahoga County.jpg	REV_00023191 [Attorney's Eyes Only]
PX495	9/9/2011	9-9 Ohio Map - Franklin County.jpg	REV_00023192 [Attorney's Eyes Only]
PX496	9/22/2011	Memorandum to Chairman Reince Priebus, Chief of Staff Jeff Larson from RNC Counsel's Office re Redistricting Status	REV_00023377 [Attorney's Eyes Only]

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX497	12/14/2011	E-mail from Adam Kincaid to Mike Wild re New Ohio Map	REV_00023429 [Attorney's Eyes Only]
PX498	12/14/2011	Spreadsheet "New Ohio Map Data.xls"	REV_00023430 [Attorney's Eyes Only]
PX499	12/14/2011	Spreadsheet "New Ohio Map Changes.xls"	REV_00023431 [Attorney's Eyes Only]
PX500	9/16/2011	E-mail from Clark Bensen/POLIDATA to Tom Hofeller re Emailing: OHCD_2011_GOP-Proposal-SEP14-BAF.zip	REV_00023335 [Attorney's Eyes Only]
PX501	12/14/2011	E-mail from Adam Temple to Tom Hofeller re Redistricting in a Nutshell (Deadline)	REV_00023540 [Attorney's Eyes Only]
PX502	7/13/2011	Email from C. Boor to H. Mann, S. Marangoni and R. Kapala, subject Double Tree Suites Reservation	LWVOH_00018255
PX503	11/28/2011	Vouchers for payment for vendors Capital Advantage LLC and Policy Widgets LLC	LWVOH_00018279-82
PX504	10/5/2018	analysis_ushouse.R	WARSHAW_0000028
PX505	10/5/2018	cces_OH.R	WARSHAW_0000029
PX506	10/5/2018	cces2014_trustrep.r	WARSHAW_0000030
PX507	10/5/2018	dataassembly_ushouse.R	WARSHAW_0000031
PX508	10/5/2018	remedial_plan_analysis.R	WARSHAW_0000032
PX509	11/26/2018	PrePost2011_Ohio.R	WARSHAW_0000049
PX510	11/26/2018	rebuttal_competitiveness.R	WARSHAW_0000050
PX511	11/26/2018	remedial_plan_analysis_imputations.R	WARSHAW_0000051
PX512	12/28/2018	analysis_ushouse_2018.R	Previously Disclosed (Warshaw)
PX513	12/28/2018	dataassembly_ushouse_2018.R	Previously Disclosed (Warshaw)
PX514	12/28/2018	remedial_analysis_2018.R	Previously Disclosed (Warshaw)
PX515	8/1/2011	Consulting Agreement between Republican Members of the Legislative Task Force and Capital Advantage, LLC	LWVOH_00005475-77
PX516	8/3/2011	Consulting Agreement between Republican Members of the Legislative Task Force and Policy Widgets, LLC	LWVOH_00005478-80
PX517	9/11/2011	Email from C. Widener to T. Niehaus and M. Schuler, subject Fw: clark county	LWVOH_00018318

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX518	9/12/2011	Email from R. DiRossi to T. Niehaus, subject Proposed map for LSC	LWVOH_00018298-301
PX519	9/11/2011	Email from R. DiRossi to T. Niehaus, subject Map 2 of 4	LWVOH_00018313
PX520	9/12/2011	Email from M. Schuler to H. Mann and T. Judy, (no subject)	LWVOH_00018319
PX521	9/20/2011	HB 318/HB 319 Senate Government Oversight & Reform Committee File	Niehaus Depo Ex. 24
PX522	10/12/2011	Statement from Ohio Secretary of State Jon Husted	Niehaus Depo Ex. 26
PX523	12/14/2011	Transcript, Ohio State Senate Session	Niehaus Depo Ex. 34
PX524	10/5/2018	Report of David Niven, Ph.D., "Dividing Neighbors and Diminishing Voices: An Analysis of Ohio's Congressional Districts"	Niven Depo Ex. 1
PX525	Oct. 2018	David Niven Curriculum Vitae	Niven Depo Ex. 2
PX526	11/26/2018	Report of David Niven, Ph.D., "Response to Dr. Thornton and Dr. Brunell"	Niven Depo Ex. 3
PX527	9/20/2011	HB 318/HB 319 Senate Government Oversight & Reform Committee File	Obhof Depo Ex. 4
PX528	9/21/2011	Transcript, Ohio State Senate Session	Obhof Depo Ex. 5
PX529	10/19/2011	Email from M. Rowe to A. Hoyt, R. Routt, et al., subject DRAFT COPY: Letter to Niehaus and Batchelder	SMC-AH-000122
PX530	11/3/2011	Email from R. Routt to Senator Cafaro, et al., subject Re: Proposed Batchelder Maps and info, attaching maps	SMC-AH-000267-303
PX531	11/3/2011	Email from R. Routt to Senator Cafaro, et al., subject Re: Proposed Batchelder Maps and info, attaching maps	SMC-AH-000241-66
PX532	11/3/2011	Email from R. Routt to Senator Cafaro, et al., subject Re: Proposed Batchelder Maps and info, attaching maps	SMC-AH-000220-40
PX533	12/15/2011	Email from R. Routt to E.Stockhausen, subject RE: 11th Congressional District	SMC-RR-016633
PX534	11/3/2011	Email from S. Cherry to R. Routt, subject Re: Redistricting Plan for LSC drafting	SMC-RR-029488
PX535	10/28/2011	Email from R. Routt to E. Kearney, C. Tavares, et al., subject Proposed Republican draft concept map	SMC-RR-016980

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX536	12/22/2011	Email from R. Routt to G. Boas and A. Hoyt, subject HB 369/HB319 Statistical comparison	SMC-AH-00368
PX537	7/15/2018	Email from B. Hansen to C. Sulecki, subject Fwd: did you attend	HANSEN_000130-31
PX538	5/12/2011	Discussion Points for Mark Braden Meetings	LWVOH_00008711
PX539		Meeting Notice: "FW: Weekly Redistricting Meeting"	GOV_000001
PX540	7/7/2011	Redistricting Meetings Agenda	LWVOH_00010568-69
PX541	8/1/2011	Consulting Agreement between Republican Members of the Legislative Task Force and Capital Advantage, LLC	LWVOH_00005475-77
PX542	8/3/2011	Consulting Agreement between Republican Members of the Legislative Task Force and Policy Widgets, LLC	LWVOH_00005478-80
PX543	8/16/2011	Email from Ray DiRossi to Matt Schuler, subject Tuesday at redistricting office	LWVOH_00018258
PX544		Maptitude screenshot, HB 319 As Enacted - Congressional Districts.map - 2010 Final Census Blocks (Ohio)	BLESSING0012635 [HB 319 As Enacted -Congressional Districts]
PX545		Maptitude screenshot, HB 319 As Enacted - Congressional Districts.map - 2010 Final Census Blocks (Ohio) (dataview District 15)	BLESSING0012635 [HB 319 As Enacted - Congressional Districts] CD15_001
PX546	9/12/2011	Email from R. DiRossi to T. Niehaus, subject Proposed map for LSC	LWVOH_00018298-301
PX547	2011	Ohio Redistricting Competition Rules and Scoring	SLAGLE_0022-39
PX548	Feb. 2012	Ohio Redistricting Transparency Report, The Elephant In the Room (2nd edition)	SLAGLE_0058-69
PX549	11/17/2010	Email from A. Kuhn to S. Stivers forwarding email from D. DiSanto, subject Ohio Republican Delegation Meeting -- Thursday, Nov. 18	STIVERS_007454
PX550	1/8/2011	Email from K. Stivers to S. Stivers forwarding email exchange with J. Husted, subject line Congratulations	STIVERS_004894
PX551	3/22/2011	Email from M.B. Carozza to S. Stivers and A. Kuhn, subject Checking In	STIVERS_004042

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX552	6/1/2011	Email from C. Whetstone to S. Stivers, M.B. Carozza and A. Kuhn, subject line redistricting	STIVERS_002589
PX553	8/15/2011	Email from L. Crotty to S. Stivers, M.B. Carozza, and A. Kuhn, subject For Approval: Fin Com Agenda, attaching Stivers August 16, 2011 Finance Committee Meeting Agenda	STIVERS_000003-4
PX554	9/10/2011	Email exchange between S. Stivers, M.B. Carozza and A. Kuhn, subject line Checking In	STIVERS_000766-67
PX555	12/7/2011	Email from L. Crotty to S. Stivers, subject Calls Today and Ingram Tracker, attaching Ingram 2012 Tracker spreadsheet	STIVERS_000330-31
PX556	3/2/2012	Email exchange between S. Stivers, C. Whetstone and A. Kuhn forwarding email from A. Blake, subject line Redistricting	STIVERS_007519-20
PX557	9/11/2011	Email exchange between M.B. Carozza, S. Stivers and A. Kuhn, subject line Checking In	STIVERS_004406-07
PX558	9/15/2011	Transcript, Ohio House Session	Szollosi Depo Ex. 3
PX559		Compromise Proposal to Draw Fair Congressional Districts	SMC-KM-000363-72
PX560	11/2/2011	Email from K. McCarthy to C. Glassburn and A. Budish, subject Re: counter - Draft Presentation, attaching presentation "Redistricting Discussions Nov. 2, 2011"	SMC-KM-000263, SMC-KM-000409-13
PX561	11/23/2011	Email from K. McCarthy to A. Budish, (no subject), attaching spreadsheet LWV and GOP Index Composite Scores	SMC-KM-000184, SMC-KM-000167-68
PX562		Presentation, "Summary of Compromise Efforts to Resolve Redistricting Impasse, Avoid Two Different Primary Elections and Save Taxpayers \$15 million"	SMC-KM-000155-65
PX563	11/3/2011	Email from S. Bender to K. McCarthy, subject RE: final release	SMC-KM-000138-40
PX564	11/3/2011	Transcript of Video Recorded Session, Ohio House of Representatives	Szollosi Depo Ex. 13

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX565	11/4/2011	Email from A. Budish to K. McCarthy, subject Fw: Frustration	Szollosi Depo Ex. 14
PX566	11/15/2011	Email from D. Ramos to A. Budish, M. Szollosi, et al., subject Concerns about Redistricting	SMC-KM-000296, SMC-KM-000100
PX567	11/30/2011	Email from K. McCarthy to T. Heard, et al., subject Talking Points fro ^_Redistricting^_ Impasse	SMC-KM-000061-63
PX568	11/30/2011	Email from K. McCarthy to M. Szollos, subject Talking Points for Blade	SMC-KM-000270-72
PX569	12/4/2011	The Blade Editorial, "Crossing the lines"	Szollos Depo Ex. 21
PX570	12/18/2018	R-code	Trende Depo Ex. 13
PX571	10/5/2018	Warshaw Report ("An Evaluation of the Partisan Bias in Ohio's 2011 Congressional Districting Plan and its Effects on Representation in Congress")	Warshaw Depo Ex. 1
PX572	11/26/2018	Warshaw Rebuttal Report ("An Evaluation of the Partisan Bias in Ohio's 2011 Congressional Plan and its Effects on Representation: Rebuttal Report")	Warshaw Depo Ex. 6
PX573	2018	APRI Columbus Membership List	OAPRI_0000013
PX574	10/18/2014	APRI Dayton Membership List	OAPRI_0000018-20
PX575		APRI Youngstown Membership List	OAPRI_0000022
PX576	2018	APRI Cleveland Membership List	OAPRI_0000016-17
PX577	2/21/2018	APRI Akron/Canton Membership List	OAPRI_0000014-15
PX578	2018	APRI Toledo Membership List	OAPRI_0000012
PX579	1/6/2011	Email from A. Washington to all APRI chapters, subject 2010 labor/minority debriefing	OAPRI_0000067-68
PX580	9/2/2011	Email from A. Kincaid to R. DiRossi, H. Mann and T. Whatman, subject New Idea Redraft	LWVOH_00018302-08
PX581	9/11/2011	Email from R. DiRossi to T. Whatman, subject Widener proposal update	LWVOH_00018311-12
PX582	9/12/2011	Email from R. DiRossi to T. Whatman, subject Stivers Maps	LWVOH_00018320
PX583	9/12/2011	Email from R. DiRossi to T. Niehaus, subject Proposed map for LSC	LWVOH_00018298-01

Plaintiffs' Ex. No.	Date	Description	Bates Range
PX584	9/11/2011	Email from T. Niehaus to T. Whatman, subject Redistricting "tweaks"	LWVOH_00018297
PX585	9/11/2011	Email from Chris Widener to President Niehaus and others re Clark County	LWVOH_00018318
PX586		Chart, Election Results (Breakdown in the districts between Turner and Austria)	NRCC000018
PX587	9/12/2011	Email from R. DiRossi to A. Kincaid, subject Ohio final map with possible Stivers addition	LWVOH_00018322-25
PX588	3/31/2011	Chart, Ohio Changes	NRCC000012
PX589		District 16 maps	NRCC000017
PX590		Chart, Ohio Changes	NRCC000013
PX591		Colored Map with sixteen districts and counties	NRCC000015
PX592	10/27/2011	Maptitude screenshot, 10-27-11 Adam New Map.map - 2010 Final Census Blocks (Ohio)	BLESSING0012635 [10-27-11 Adam New Map]_001
PX593		Turner-Austria Option Talking Points	LWVOH_00008616
PX594		Talking Points for Speaker Boehner	NRCC000016
PX595		Spreadsheet with tables and column Turner/Austria	LWVOH_0018333
PX596	10/19/2011	Chart, HB319	NRCC000014
PX597	11/2/2011	Table HB 319 Unified Indexes/Proposal Unified Indexes	DIROSSI_0000142